

CLAIM AMENDMENT

Please amend the claims in accordance with the following listing.

Listing of Claims

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Previously Presented) A voice command (VC) to dual tone multi-frequency (DTMF) interfacing system comprising:

a first echo canceller for echo canceling a received voice command from a caller in a first mode;

a translator for translating the echo cancelled voice command into a DTMF code for use by a DTMF-driven system;

a second echo canceller for echo canceling audio output sent to the caller from the DTMF-driven system;

a first port for receiving a call from the caller;

a second port for sending the DTMF code to and receiving the audio output from the DTMF-driven system;

a port patch for connecting audio from the first port directly to the second port in a second mode; and

a tone detector for detecting a tone, in the first mode, from the DTMF-driven system to switch to the second mode.

5. (Currently Amended) The system according to Claim 3, 4, further comprising:

a DTMF digit detector for detecting a predetermined DTMF digit, in the second mode, from the caller to switch to the first mode.

6. (Currently Amended) The system according to Claim 3, 4, further comprising:

a DTMF digit detector for detecting a predetermined DTMF digit, in the second mode, from the caller to switch to the first mode and to forward DTMF codes to the DTMF-driven system when voice commands are not used.

7. (Currently Amended) The system according to Claim 3, 4, wherein:

during the second mode, the audio is a voice message to be stored in a voice mailbox of the DTMF-driven system; and

during the first mode, the voice message stored in the voice mailbox can be retrieved.

8. (Currently Amended) The system according to Claim 3, 4, further comprising:

an automatic speech recognition module for recognizing the voice command;

wherein the translator includes:

a plurality of audio files, each audio file corresponding to a DTMF tone wherein a distinct ordered combination of the plurality of audio files is associated with each voice command.

9. (Original) The system according to Claim 8, wherein the translator further comprises:
a DTMF audio file player.

10. (Canceled)

11. (Canceled)

12. (Currently Amended) A method of interacting with a dual tone multi-frequency (DTMF) driven system with voice commands comprising the steps of:

echo canceling a received voice command from a caller in a first mode;

translating the echo cancelled voice command into a DTMF code for use by the DTMF-driven system;

echo canceling audio output sent to the caller from the DTMF-driven system;

receiving a call from the caller at a first port;

sending the DTMF code to and receiving the audio output from the DTMF-driven system at a second port; and

enabling a port patch for connecting audio from the first port directly to the second port in a second mode; and ~~mode~~.

detecting a predetermined keyword, in the second mode, from the caller to disable the port patch; and

disabling the port patch, in response to the detection step.

13. (Previously Presented) A method of interacting with a dual tone multi-frequency (DTMF) driven system with voice commands comprising steps of:

echo canceling a received voice command from a caller in a first mode;

translating the echo cancelled voice command into a DTMF code for use by the DTMF-driven system;

echo canceling audio output sent to the caller from the DTMF-driven system;

receiving a call from the caller at a first port;

sending the DTMF code to and receiving the audio output from the DTMF-driven system at a second port;

enabling a port patch for connecting audio from the first port directly to the second port in a second mode;

detecting a tone from the DTMF-driven system, in the first mode, to switch to the second mode; and

enabling the port patch, in response to the detecting step.

14. (Currently Amended) The method according to Claim ~~12~~, 13, further comprising the steps of:

detecting a predetermined DTMF digit, in the second mode, from the caller to disable the port patch; and

disabling the port patch, in response to detection of the predetermined DTMF digit. ~~the detection step.~~

15. (Currently Amended) The method according to Claim ~~12~~, 13, further comprising the steps of:

detecting a predetermined keyword, in the second mode, from the caller to disable the port patch; and

disabling the port patch, in response to detection of the predetermined DTMF digit. ~~the detection step.~~

16. (Original) The method according to Claim 15, wherein:

during the second mode, the audio is a voice message to be stored in a voice mailbox of the DTMF-driven system; and

during the first mode, the voice message stored in the voice mailbox can be retrieved.

17. (Currently Amended) The method according to Claim ~~12~~, 13, further comprising the step of:

automatically recognizing the voice command;

wherein the translating step includes:

determining an ordered set of DTMF codes associated with the voice command, where each DTMF code has a one-to-one correspondence with an audio file containing an audio representation of that DTMF code.

18. (Previously Presented) The method according to Claim 17, wherein the translating step further comprises the step of:

playing the ordered set of DTMF audio files through a port connected to the DTMF-driven system.

19. (Previously Presented) A method of interacting with a dual tone multi-frequency (DTMF) driven system with voice commands, the method comprising steps of:

receiving at a first port audio input from a user, the audio input comprising the voice commands;

translating the voice commands into corresponding DTMF codes for use by the DTMF driven system;

in response to the step of receiving, connecting to the DTMF driven system through a second port to receive audio output of the DTMF driven system and send the corresponding DTMF codes to the DTMF driven system;

sending the audio output of the DTMF driven system to the user through the first port;

detecting a tone from the DTMF driven system, the tone signaling the user to record a message;

in response to detection of the tone, enabling a port patch for connecting audio input of the user from the first port directly to the second port.